

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 10:50 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 744 Const Calendar Day: 199 Date: 20-Dec-2012 Thursday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:30 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 50 - 60 4PM 50 - 60**Precipitation** 0.00"**Condition** Partly overcast with moderate windsWorking Day ☐ If no, explain:**04-0120F4 Bid Item: 067 C-PWS-HDR.067 Install Hand Rope**

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	APP	RYAN NASH	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	SERGIO GARCIA	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	MARIO MARQUEZ	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	CARLOS BUSTAMANTE	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	JAVIER GARCIA	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	RIGOVERTO GARCIA	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	FOR	OBRA PAULK	8.00	0.00	0.00	8.00		<input type="checkbox"/>

Diary:

Dispute

Work description. 067 C-PWS-HDR.067☐

- Completed the first iteration of fastening the North Mainspan handrope clamp bolts to a 1/3 turn or a torque of 302N-m. Mario and Sergio started from WPP46 and stopped at WPP62 using a standard wrench to snug the bolt, match mark 1/3 turn, then apply the 1/3 turn. Similarly Rigo and Javier resumed tightening these bolts at WPP80 uphill to WPP64 using the electrical impact wrench.

Once this task was completed by the ABF ironworkers myself and Smith Emery technician Brien Connelly proceeded to test the handrope clamp bolts on the North Mainspan. We started testing the torque of the bolts at WPP46 progressing downhill. All of the bolts at each handrope clamp (4/cable band) were tested from WPP46 to WPP62 with approximately 6 bolts not meeting the required torque of 302N-m within 48hrs. These locations were marked with a soapstone to alert the Contractor which bolts still need to be torqued properly. After WPP62 all of the handrope clamp bolts for the next three panel points were tested and all failed. To reiterate this was the stopping point of where the ironworkers were using the electrical impact wrench to a 1/3 turn.

After testing the handrope clamp bolts I verbally informed ABF engineer Ankur Singh that the torque applied to the bolts from WPP64 to WPP100 were unacceptable. Also mentioned the few bolts that failed from WPP46 to WPP62. Since the South Sidespan bolts were also torqued with a electrical impact wrench and the inspection torque yesterday was questionable I informed Ankur that all those bolts failed and need to be checked again.

This crew of ironworkers spent approximately 1hr completing the task above, and spent the rest of the day



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Job Name: 04-0120F4

Inspector Name Bruce, Matt

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installing electrical pull-box stands on the North Sidespan cable bands starting at panel point 10N. The requirement of this attachment to the cable band is a snug tight bolted connection after applying "locktight" substance into the tapped hole. Abbas Irashmanesh is back from vacation and he took over inspection duties after lunch even though I have the ironworkers listed in my diary. See his diary for more details of the installation of this electrical attachment to the cable band. When I left the field the ironworkers installed the electrical attachments up to panel point 32N. Also it should be noted that Sam Patel may be watching certain aspects of this installation since it pertains to electrical work.

Attachment



Close up of an electrical pullbox and structural attachment on cable band WPP16.



ABF ironworkers seen attaching electrical pull boxes and supports on the North Sidespan.



Typical match marks seen on the North Mainspan handrope clamp from WPP46 up to WPP62.



Short vertical PT bars on the E-Line which are spray painted green, denoting that it's unclear weather or not the full length of the rod was grouted.